

ABSTRACT

RC OSCILLATOR CIRCUIT

5 An RC oscillator circuit is described in which a charge  
current (IPOSCL) is integrated in an integrator (1). In a  
comparator (7), an output voltage (VCAP) of the integrator is  
compared to a reference threshold (VTH). Depending on the  
comparison, a periodic signal is generated in a clock pulse  
10 generator (9). Furthermore, a reference generator (8) is  
provided, which generates the reference threshold (VTH)  
depending on the temperature and on the supply voltage of the  
entire circuit. In this way, the frequency dependence of the  
oscillator is largely compensated for as far as fluctuations  
15 in the supply voltage are concerned.

Figure 1